FIG. 1

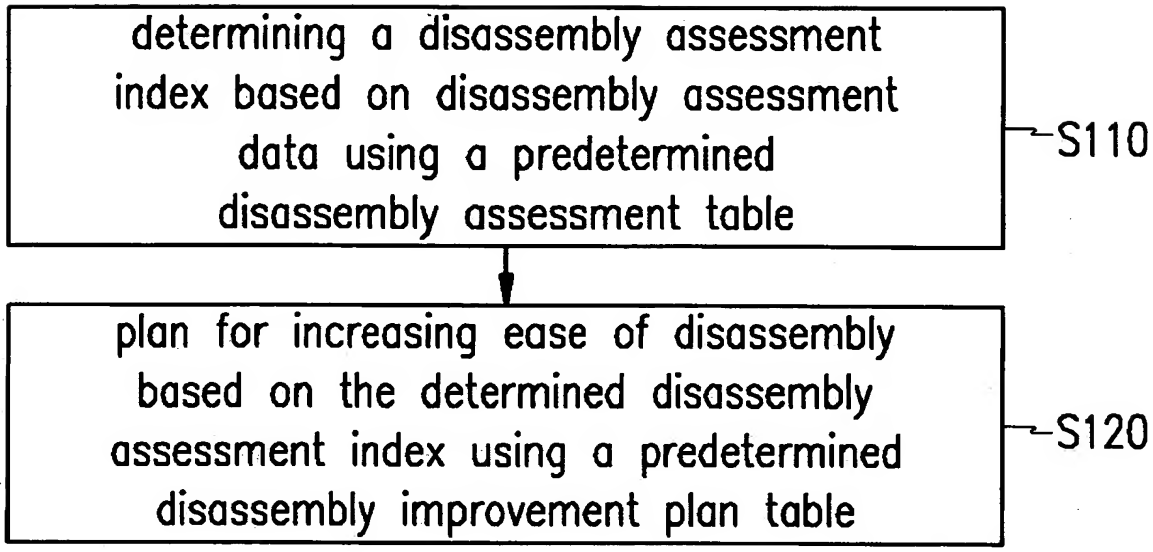
determining a disassembly assessment index based on disassembly assessment data using a predetermined disassembly assessment table
S110
plan for increasing ease of disassembly based on the determined disassembly assessment index using a predetermined disassembly improvement plan table
S120

FIG. 2

checklist for structure disassembly assessment data (disassembly of vehicle)					
process number			component and structure name		score
accessibility	approaching space size		☐ free approach , ☐ partially restricted approach , ☐ difficult approach		
	approaching route visibility		☐ high	☐ middle ☐ low	
	Self location		☐ yes	☐ no	
	approaching direction change number		☐ 0	☐ 1 ☐ 2	
disassembly force transmissibility	bolt	visibility	☐ high	☐ low	
		working space size	☐ free working	☐ restricted working	
		disassembling force	☐ high	☐ middle ☐ low	
		holding ease	☐ high	☐ middle ☐ low	
	bonding	visibility	☐ high	☐ low	
		working space size	☐ free working	☐ restricted working	
		disassembling force	☐ high	☐ middle ☐ low	
		holding ease	☐ high	☐ middle ☐ low	
	fastening	visibility	☐ high	☐ low	
		working space size	☐ free working	☐ restricted working	
		disassembling force	☐ high	☐ middle ☐ low	
		holding ease	☐ high	☐ middle ☐ low	
	Snap-fit	visibility	☐ high	☐ low	
		working space size	☐ free working	☐ restricted working	
		disassembling force	☐ high	☐ middle ☐ low	
		holding ease	☐ high	☐ middle ☐ low	
	welding	visibility	☐ high	☐ low	
		working space size	☐ free working	☐ restricted working	
		disassembling force	☐ high	☐ middle ☐ low	
		holding ease	☐ high	☐ middle ☐ low	
	fitting	visibility	☐ high	☐ low	
		working space size	☐ free working	☐ restricted working	
		disassembling force	☐ high	☐ middle ☐ low	
		holding ease	☐ high	☐ middle ☐ low	
Disassembly structural attribute	component structure	pre-disjoint component number	☐ less than average	☐ average ☐ more than average	
		disposition data	☐ direct disassembly structure ☐ complex disassembly structure ☐ sequential disassembly structure		
	coupling structure	coupling element number	☐ 1	☐ 2-3 ☐ more than 3	
		connected component number	☐ 4	☐ 3 ☐ less than 3	
		coupling point number	☐ less than 4	☐ 5-6 ☐ more than 6	

FIG. 3

checklist for component disassembly assessment data (disassembly of structure)				
process number		component and structure name		score
accessibility	disposition state		☐ high ☐ middle ☐ low	
	need of state maintenance		☐ high ☐ middle ☐ low	
	coupling portion exposure		☐ high ☐ middle ☐ low	
	approaching direction change number		☐ 0 ☐ 1 ☐ 2	
disassembling force transmissibility	bolt	fixing state	☐ no fixing ☐ temporary fixing ☐ continual fixing	
		working space size	☐ free working ☐ restricted working	
		disassembling force	☐ high ☐ middle ☐ low	
		holding ease	☐ high ☐ middle ☐ low	
	bonding	fixing state	☐ no fixing ☐ temporary fixing ☐ continual fixing	
		working space size	☐ free working ☐ restricted working	
		disassembling force	☐ high ☐ middle ☐ low	
		holding ease	☐ high ☐ middle ☐ low	
	fastening	fixing state	☐ no fixing ☐ temporary fixing ☐ continual fixing	
		working space size	☐ free working ☐ restricted working	
		disassembling force	☐ high ☐ middle ☐ low	
		holding ease	☐ high ☐ middle ☐ low	
	snap- fit	fixing state	☐ no fixing ☐ temporary fixing ☐ continual fixing	
		working space size	☐ free working ☐ restricted working	
		disassembling force	☐ high ☐ middle ☐ low	
		holding ease	☐ high ☐ middle ☐ low	
	welding	fixing state	☐ no fixing ☐ temporary fixing ☐ continual fixing	
		working space size	☐ free working ☐ restricted working	
		disassembling force	☐ high ☐ middle ☐ low	
		holding ease	☐ high ☐ middle ☐ low	
	fitting	fixing state	☐ no fixing ☐ temporary fixing ☐ continual fixing	
		working space size	☐ free working ☐ restricted working	
		disassembling force	☐ high ☐ middle ☐ low	
		holding ease	☐ high ☐ middle ☐ low	
disassembly structural attribute	component structure	pre-disjoint component number	☐ less than average ☐ average ☐ more than average	
		disposition data	☐ direct disassembly structure ☐ complex disassembly structure ☐ sequential disassembly structure	
	coupling structure	coupling element number	☐ 1 ☐ 2-3 ☐ more than 3	
		connected component number	☐ 4 ☐ 3 ☐ less than 3	
		coupling point number	☐ less than 4 ☐ 5-6 ☐ more than 6	